

DIO drop interface Modicon Quantum - 24 V DC - 2 single port

140CRA21120

- ! Discontinued on: Dec 31, 2022
- ! To be end-of-service on: Dec 31, 2030

① Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

| Range of Product | Modicon Quantum automation platform | |
|---------------------------|-------------------------------------|--|
| Product or Component Type | DIO drop interface | |

Complementary

| Number of port | 2 redundant | |
|---|--|--|
| [Us] rated supply voltage | 24 V DC | |
| Supply voltage limits | 2030 V | |
| Maximum supply current | 1.6 A 24 V | |
| Inrush current | 30 A 24 V | |
| Maximum buffer time | 1 ms | |
| Associated fuse rating | 2.5 A | |
| Output voltage | 5.1 V | |
| nominal output current | 3 A | |
| Minimum load current | 0 A | |
| Short-circuit protection | With | |
| Output overvoltage protection | With | |
| I/O words | 30 I/32 O | |
| Typical backplanes | 2 positions 3 positions 6 positions 16 positions | |
| | 4 positions 10 positions | |
| Diagnostics startup | | |
| Diagnostics startup Diagnostics run time | 10 positions Checksum RAM | |
| | 10 positions Checksum RAM RAM address Checksum RAM address | |
| Diagnostics run time | 10 positions Checksum RAM RAM address Checksum RAM address RAM | |

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| Resistance to electrostatic discharge | 4 kV contact IEC 801-2 8 kV on air IEC 801-2 | |
|---------------------------------------|---|--|
| Resistance to electromagnetic fields | 9.1 V/m (10 V/m) 802000 MHz IEC 801-3 | |
| ambient air temperature for operation | 32140 °F (060 °C) | |
| Ambient Air Temperature for Storage | -40185 °F (-4085 °C) | |
| Relative Humidity | 95 % without condensation | |
| Operating altitude | <= 16404.2 ft (5000 m) | |
| Protective treatment | TC | |
| Standards | UL 508 | |
| Product Certifications | GOST C-tick DNV CSA Class 1 Division 2 UI | |

Ordering and shipping details

| Category | US1PC2118155 | |
|-------------------|---------------|--|
| Discount Schedule | PC21 | |
| GTIN | 3595861136694 | |
| Returnability | No | |
| Country of origin | FR | |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|--------------------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.97 in (5.0 cm) |
| Package 1 Width | 6.50 in (16.5 cm) |
| Package 1 Length | 12.20 in (31.0 cm) |
| Package 1 Weight | 23.8 oz (674.0 g) |

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

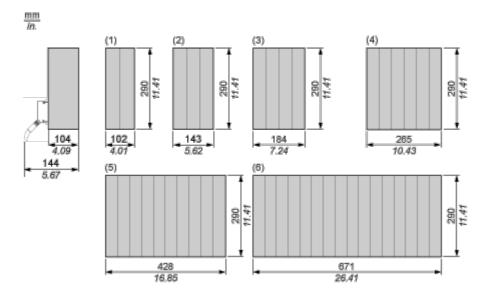
| compliance (Product out of EU RoHS legal |
|--|
| |
| : This product can expose you to chemicals Lead and lead compounds, which is known to of California to cause cancer and birth defects eproductive harm. For more information go to Varnings.ca.gov |
| |

| ○ Repack and remanufacture | |
|----------------------------|--|
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

Product data sheet

140CRA21120

Connections and Schema

DC Powered Distributed I/O (DIO) Module

Wiring Diagram

